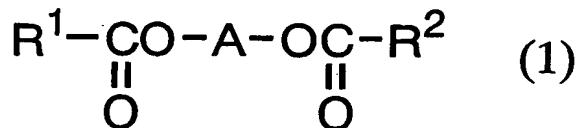


CLAIMS

1. (Amended) A lubricating oil for bearings comprising
5 (a) a diester represented by General Formula (1)



wherein R¹ and R² are the same or different, and each represents a C₃-C₁₇ linear alkyl group; A represents a monoalkyl substituted linear 10 alkylene group, and the total number of carbon atoms of the alkyl group and the linear alkylene group is 4 to 6; or a mixture of the diester and an additional base oil, and

(b) at least one member selected from the group consisting of phenol-based antioxidants and amine-based antioxidants.

15

2. (Cancelled)

20 3. (Cancelled)

25 4. (Cancelled)

5. A lubricating oil for bearings according to Claim 1, wherein A is a 3-methyl-1,5-pentanediol residue (i.e., -CH₂CH₂-CH(CH₃)-CH₂CH₂-).

5

6. A lubricating oil for bearings according to Claim 1, wherein R¹ and R² are the same or different, and each represents a C₃-C₁₁ linear alkyl group.

10 7. A lubricating oil for bearings according to Claim 1, wherein the diester represented by General Formula (1) is a diester of a member selected from the group consisting of 2-methyl-1,3-propanediol, 1,3-butanediol, 2-methyl-1,4-butanediol, 1,4-pentanediol, 2-methyl-1,5-pentanediol, 3-methyl-1,5-pentanediol and 15 1,5-hexanediol and a member selected from C₇-C₁₀ saturated aliphatic linear monocarboxylic acids.

20 8. A lubricating oil for bearings according to Claim 1, wherein the diester represented by General Formula (1) is a diester obtained from 3-methyl-1,5-pentanediol, and at least one member selected from the group consisting of n-heptanoic acid, n-octanoic acid, n-nonanoic acid and n-decanoic acid.

25 9. A lubricating oil for bearings according to Claim 1, wherein the diester represented by General Formula (1) is at least one member selected from the group consisting of 3-methyl-1,5-pentanediol di(n-octanoate) and 3-methyl-1,5-pentanediol di(n-nonanoate).

30 10. A lubricating oil for bearings according to Claim 1, wherein the diester represented by General Formula (1) is a diester obtained from two kinds of fatty acids selected from C₇-C₁₀ saturated aliphatic linear monocarboxylic acids, and one kind of dihydric alcohol selected from the group consisting of 2-methyl-1,3-propanediol, 1,3-butanediol, 2-methyl-1,4-butanediol, 1,4-pentanediol, 2-methyl-1,5-pentanediol, 35 3-methy

• benzotriazole + (*n*-dodecyl) gallate,
• 5-methyl-1H-benzotriazolebenzotriazole + (*n*-propyl) gallate,
5 • 5-methyl-1H-benzotriazole + (*n*-octyl) gallate, or
• 5-methyl-1H-benzotriazole + (*n*-dodecyl) gallate.

24. (Amended) A lubricating oil for bearings according to Claim 1,
having a kinematic viscosity at 40°C of 5-10 mm²/s and a kinematic
10 viscosity at 0°C of 15-40 mm²/s.